Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/31/2019 10:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123776	-1	2.70	123856	2.64
Blue	F	SSC	125000	123568	-2	4.43	124367	4.37
Blue	E	FITC	16694	16224	-3	4.12	376	21.51
Blue	D	PE	32792	32260	-2	3.56	710	16.03
Blue	B	PerCP-Cy5-5	44451	44229	-1	5.02	1206	22.68
Blue	A	PE-Cy7	33645	33930	0	7.28	619	47.54
Red	C	APC	47008	46530	-2	3.28	1797	13.56
Red	A	APC-Cy7	32298	31781	-2	3.13	795	14.20
Violet	B	V450	8961	8674	-4	5.02	480	14.86
Violet	A	V500	32726	31484	-4	4.73	758	11.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20273	4.91	606	-7	N/A	N/A	Pass
Blue	F	SSC	55938	3.85	576	8	N/A	N/A	Pass
Blue	E	FITC	62	70.60	563	0	0.0161	105	Pass
Blue	D	PE	143	56.55	567	1	0.1477	332	Pass
Blue	B	PerCP-Cy5-5	224	55.60	671	0	0.0077	74	Pass
Blue	A	PE-Cy7	121	119.33	727	1	0.0091	28	Pass
Red	C	APC	413	29.05	615	2	0.0189	150	Pass
Red	A	APC-Cy7	197	31.83	586	1	0.0045	1036	Pass
Violet	B	V450	71	71.81	479	-7	0.0453	2581	Pass
Violet	A	V500	108	36.68	488	-8	0.0193	720	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.76	-32.47	1.12
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	17.22	13.60 - 20.40	N/A	N/A	29.56	29.98	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10014

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments